



Massachusetts

Occupational Injuries and Illnesses

as compiled by
The Massachusetts Division of Occupational Safety
and the U.S. Department of Labor

Education and Health Services Industries: 2004 Report

Education and Health Services Industries Category Occupational Examples:

- ♦ Teachers and Childcare Workers
- ♦ Counselors
- ♦ Physicians and Assistants
- ♦ Dentists
- ♦ Nurses, Nurses Aides and Orderlies
- ♦ Mid-Wives
- ♦ Medical Laboratory Technicians
- ♦ Personal and Home Health Care Aides
- ♦ Emergency Medical Technicians and Paramedics
- ♦ Social Workers
- ♦ Psychiatric Aides
- ♦ Janitors and Cleaners

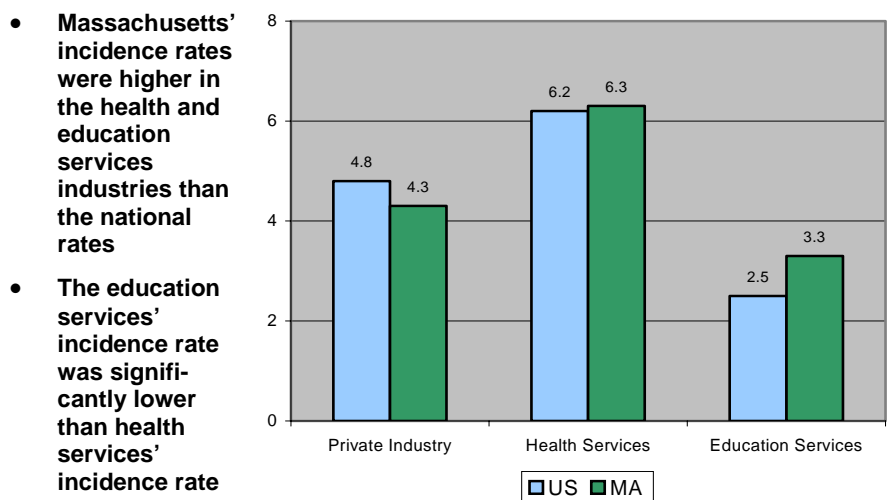
Includes NAICS codes 61-62

MASSACHUSETTS, 2004

Population.....	6,416,505 ¹
Private Sector	
Employment.....	2,718,600 ²
Education and Health	
Services Employment.....	548,100 ²

Incidence Rates

Chart 1: Incidence rates³ of nonfatal injuries and illnesses (per 100 full time workers), all private industries vs. education and health services, MA & US, 2004⁴

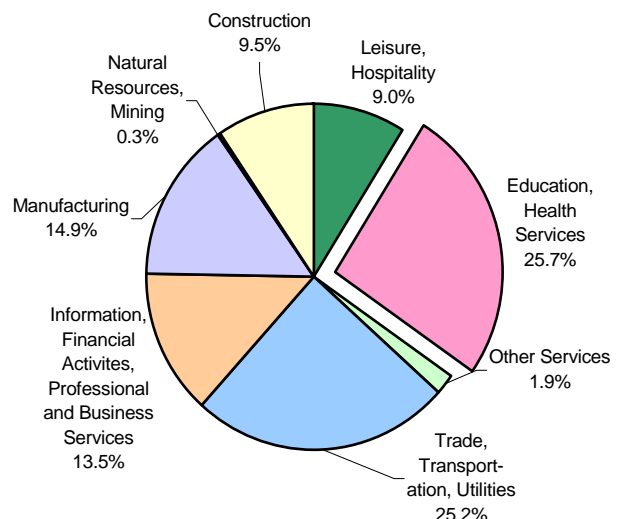


Injury and Illness Numbers

Chart 2: Percent of nonfatal occupational injuries and illnesses by major industry, private sector, 2004

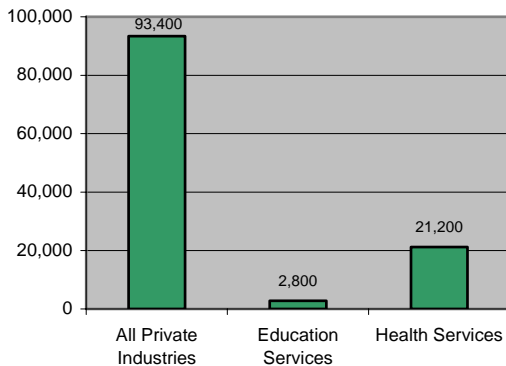
Education and Health Services

- 20.2% of all MA employees worked in the education and health services industries in 2004
- 25.7% of the total injuries and illnesses in MA occurred in the education and health services industries



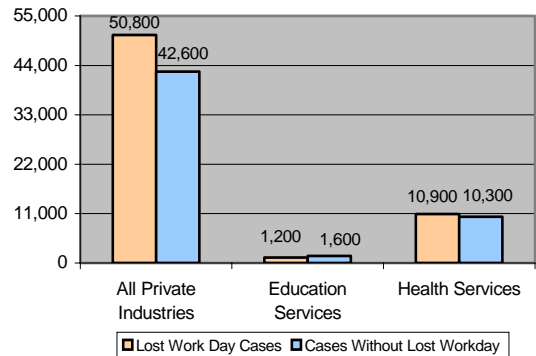
Injury and Illness Data

Chart 3: Number of nonfatal occupational injuries and illness, all private industries vs. education and health services in MA, 2004



- In health services 21,200 occupational injuries and illnesses occurred; 2,800 occurred in education services
- Lost work day cases exceeded non-lost workday cases in health services
- Non-lost workday cases exceeded lost workday cases in education services

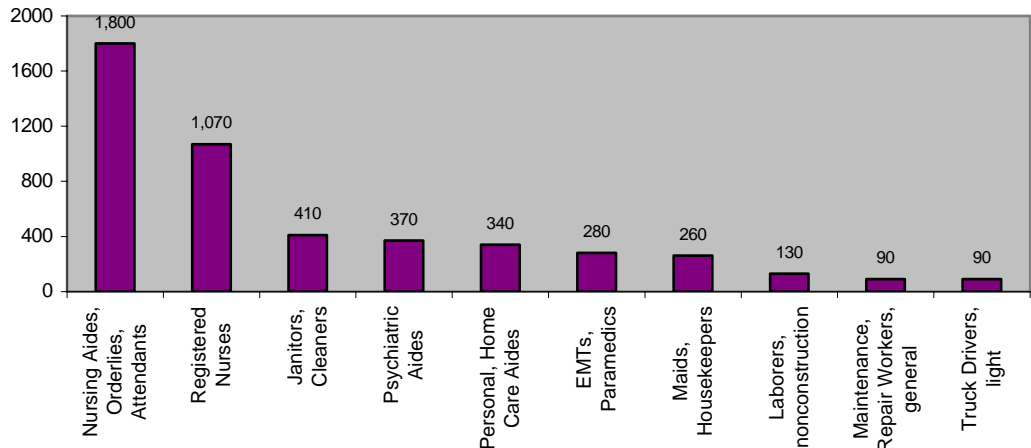
Chart 4: Number of lost workday⁵ cases vs. non-lost workday cases of nonfatal occupational injuries and illnesses, all private industries vs. education and health services in MA, 2004



Occupation Data

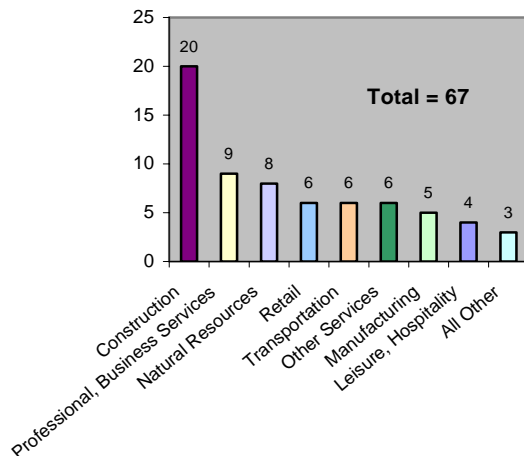
Chart 5: Occupations with the highest numbers of nonfatal occupational injuries and illnesses involving days away from work, education and health services, 2004

- Nursing aides, orderlies and attendants had the highest number of injuries and illnesses involving days away from work in the education and health services industries in MA during 2004, followed by registered nurses



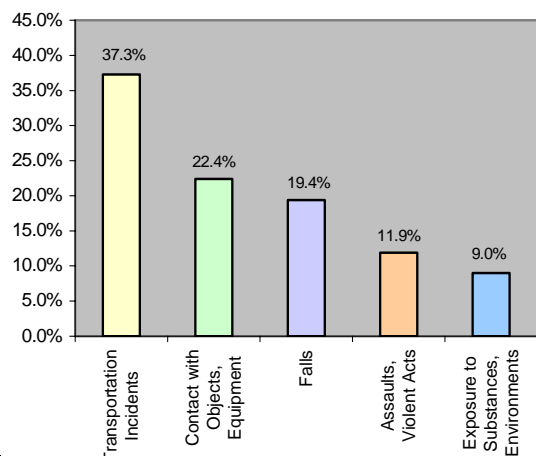
Summary Fatality Data: All Private Industries

Chart 6: Number of fatal occupational injuries by major private industry, 2004



- Number of fatalities in the private sector in MA fell from 77 in 2003 to 67 in 2004
- Transportation incidents represented about 37% of all workplace fatalities in MA in 2004

Chart 7: Percent distribution of fatal occupational injuries by event, 2004

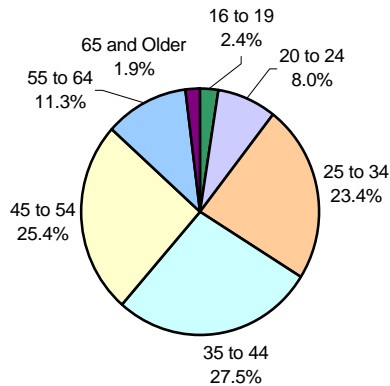


Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries
NOTE: Some data do not meet publication criteria and will not add to the total.

Education and Health Services Industries Case & Demographic Data

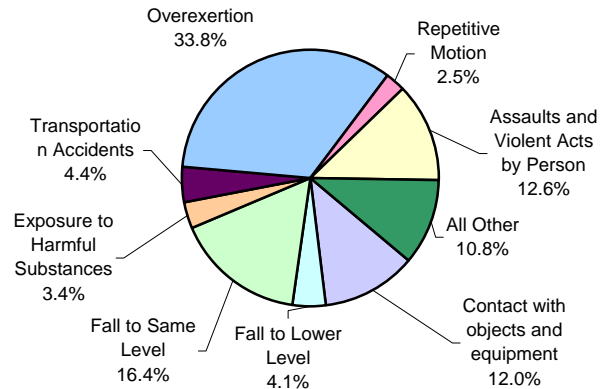
Age

Chart 8: Percent distribution of nonfatal injuries and illnesses involving days away from work by age of worker, education and health services, 2004



Event or Exposure

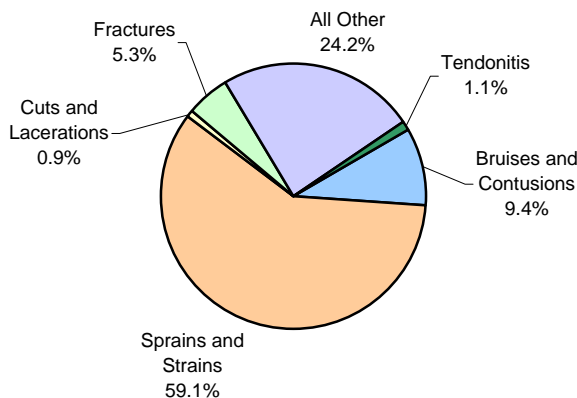
Chart 9: Percent distribution of nonfatal injuries and illnesses involving days away from work by event or exposure, education and health services, 2004



- **Workers aged 35 to 44 had the highest numbers of nonfatal occupational injuries and illnesses in the education and health services industries**
- **Most injuries and illnesses in 2004 were caused by overexertion**
- **Sprains and strains made up over half of all nonfatal injuries and illnesses in 2004**
- **The back and lower extremities (leg, ankle, foot and/or toe) made up over half of the total injuries and illnesses in the education and health services industries**

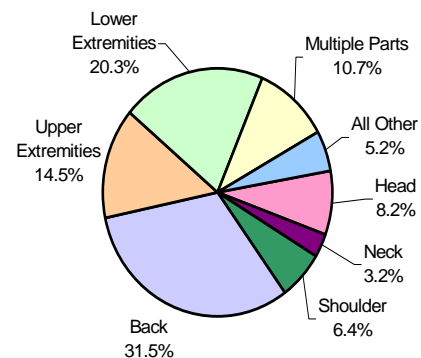
Nature of Injury

Chart 10: Percent distribution of nonfatal injuries and illnesses involving days away from work by nature of injury, education and health services, 2004



Part of Body

Chart 11: Percent distribution of nonfatal injuries and illnesses involving days away from work by part of body, education and health services, 2004



¹ Source: United States Census Bureau

² Source: Summary estimates based on Bureau of Labor Statistics Survey

³ Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: $(N/EH) \times 200,000$ where

N = number of injuries and illnesses

EH = total hours worked by all employees during the calendar year.

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year)

⁴ Massachusetts did not publish estimates for calendar year 2003. Prior to 2003 all state and national estimates were based on the SIC system. Because of substantial differences between the SIC system and NAICS, users are advised against making comparisons between the 2004 industrial categories and the results for previous years.

⁵ Total lost workday cases involve days away from work, days of restricted work activity, or both.

NOTE: Because of rounding, components may not add to totals.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies, 2005.



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2004 Report: Education and Health Services

This report was compiled from data collected by the Massachusetts Division of Occupational Safety under a cooperative agreement with the U.S. Department of Labor, Bureau of Labor Statistics. Data has also been included from the Census of Fatal Occupational Injuries.

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